

## CLAIMS

What is claimed is:

1. A ratchet type tensioner comprising a housing, a plunger slidable in, and protruding from, the housing, and biased in a protruding direction, a ratchet mechanism comprising a rack formed on a side surface of the plunger, and a pawl provided on the housing and engageable with the rack to prevent the return movement of the plunger, wherein the pawl is composed of a sintered alloy having a density of at least  $7.2 \text{ g/cm}^3$ .

2. The ratchet type tensioner according to claim 1, wherein said sintered alloy is formed by at least one of the steps from the group consisting of warm molding, high temperature sintering and recompression.

3. The ratchet type tensioner according to claim 1, wherein said sintered alloy contains a total of 0.5 to 8 weight % of at least one element from the group consisting of Nickel, Copper and Molybdenum, and the balance of the composition of the sintered alloy consists of Iron and impurities.

4. The ratchet type tensioner according to claim 2, wherein said sintered alloy contains a total of 0.5 to 8 weight % of at least one element from the group consisting of Nickel, Copper and Molybdenum, and the

balance of the composition of the sintered alloy consists of Iron and impurities.